VRF SOLUTIONS

LG Air Conditioning Technologies

ABOUT LG

About LG Electronics USA

LG Electronics USA, Inc., based in Englewood Cliffs, N.J., is the North American subsidiary of LG Electronics, Inc., a $68 billion global innovator in technology and manufacturing. In the United States, LG sells a wide range of innovative home appliances, home entertainment products, commercial displays, air conditioning products, energy solutions and vehicle components. LG is a 2023 ENERGY STAR® Partner of the Year-Sustained Excellence. The company's commitment to environmental sustainability and its "Life's Good" marketing theme encompass how LG is dedicated to people's happiness by exceeding expectations today and tomorrow. Please visit www.lg.com.

About LG Air Conditioning Technologies USA

LG Electronics USA's Air Conditioning Technologies business is based in Alpharetta, GA. LG is a leading player in the global air conditioning market, distributing both commercial and residential air conditioners and building management solutions. From consumer and individual units to industrial and specialized air conditioning solutions, LG provides a wide range of products for heating, ventilating and air conditioning. The company's industry-leading variable refrigerant flow (VRF) technology minimizes efficiency losses, provides sustainable energy savings, and offers some of the lowest lifecycle costs compared to other systems on the market today. Ten-time ENERGY STAR® Partner of the Year, LG Electronics USA (based in Englewood Cliffs, NJ), is the North American subsidiary of LG Electronics Inc., a $68 billion global technology and manufacturing. Visit www.lghvac.com for more information.

ABOUT LG VRF

A Variable Refrigerant Flow (VRF) solution is a single refrigerant circuit that connects many indoor units to one outdoor unit. VRF is a superior way to heat and cool any space, providing improved humidity control, individual set points per indoor unit, and a quiet comfort experience. In the heat recovery configuration, VRF also allows for heating and cooling simultaneously in different zones, further enhancing energy savings and increasing occupant comfort. Energy efficient and easy to design, install, and maintain, a VRF solution has low lifecycle cost compared to other traditional HVAC systems on the market today.

Why LG VRF?

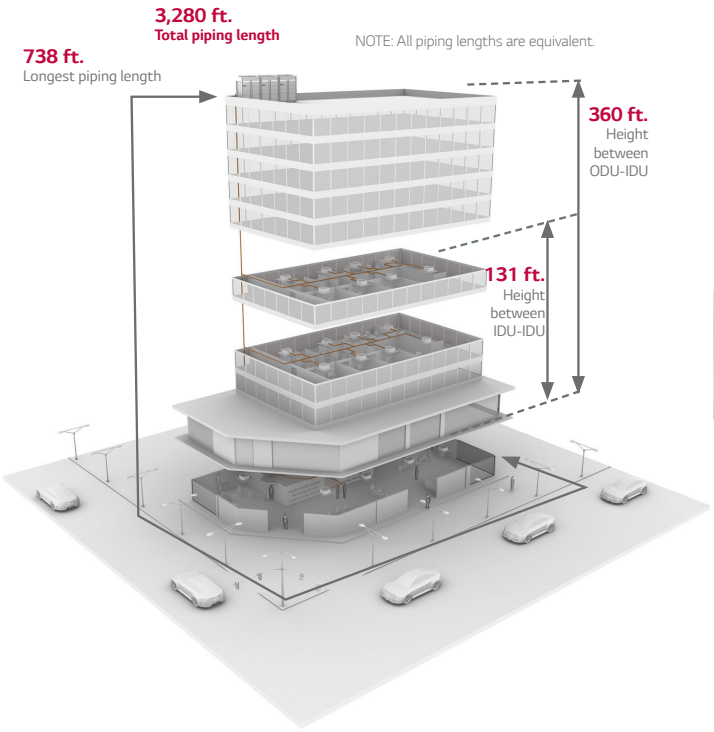
The benefits of LG VRF are numerous: less piping for installers, energy efficiency for owners, and modern indoor units that complement every setting. Furthermore, LG Inverter scroll compressors optimize energy efficiency.

With the addition of LGRED° heating capability, the Multi V™ 5 provides operational performance with heating down to -22˚F and cooling up to 122˚F for all units with no additional accessories or modifications to the equipment, making it a robust solution for all climates.

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

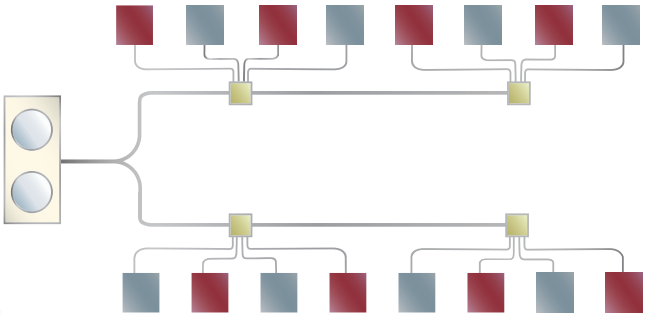
MULTI V™ 5

1. High Elevation Piping Distances



2. Optimized Heat Recovery Piping

- **Flexible piping layout** reduces materials and labor costs during installation
- **LG Heat Recovery Unit (HRU)** is quiet, compact, lightweight, and does not need condensate drains[1]
- **Configured for fully independent heating and cooling,** ensuring occupant comfort



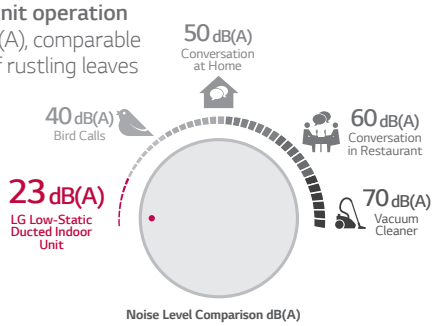
3. Operation Range

- **Industry-leading operation ranges** without additional accessories or performance deficits:
  - Heating: -22˚F to 61˚F WB
  - Cooling: 5˚F to 122˚F DB
  - Simultaneous Operation: 14˚F to 81˚F DB

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

4. Quiet Operation

- **Quiet indoor unit operation** down to 23 dB(A), comparable to the sound of rustling leaves



1. Down to 31 dB(A). See page 44 for HRU specification details.

LG VRF ADVANTAGES

Efficiency

Advanced features for superior efficiency

- **Advanced Smart Load Control**
  Automatically adjusts system target pressures based on outdoor temperature and humidity for increased cooling performance.
- **Active Refrigerant Control**
  Depending on the operating mode and conditions, the system refrigerant level is automatically adjusted for increased part load and heating efficiency.
- **Variable Path Heat Exchanger**
  Depending on the operating mode and conditions, both the refrigerant flow path and velocity are adjusted for improved efficiency.
- **Advanced Printed Circuit Board Cooling**
  Improved cooling performance of the inverter printed circuit board by using liquid refrigerant instead of heat sink cooling methods.

Design Flexibility

- **Higher-Elevation Piping Technology**
  More floors with fewer systems. LG Multi V™ 5 eliminates the need to invest in extra systems and saves on installation. Enjoy no heating capacity losses due to long pipe length.
- **Compact & Lightweight**
  More indoor zones, less outdoor space. When space or access is at a premium, Multi V™ 5 offers significant cost advantages on large projects.
- **LG Inverter Scroll Compressor**
  Innovative high side-shell design creates a more compact unit providing the same capacity output, with greater reliability in cold climates.
- **HiPOR™ (High-Pressure Oil Return)**
  Oil is returned to the compressor through a separate inlet pipe, so compressor energy is used to compress refrigerant only.
- **Smart Oil Control**
  Eliminates timed oil-return cycles and takes hours off of the time required to return oil compared to systems that use a timed oil-recovery cycle.
- **Intelligent Heating**
  By monitoring the outdoor humidity, system target pressures can be reduced to extend heating operation, delay defrost operation and reduce power consumption.

Performance

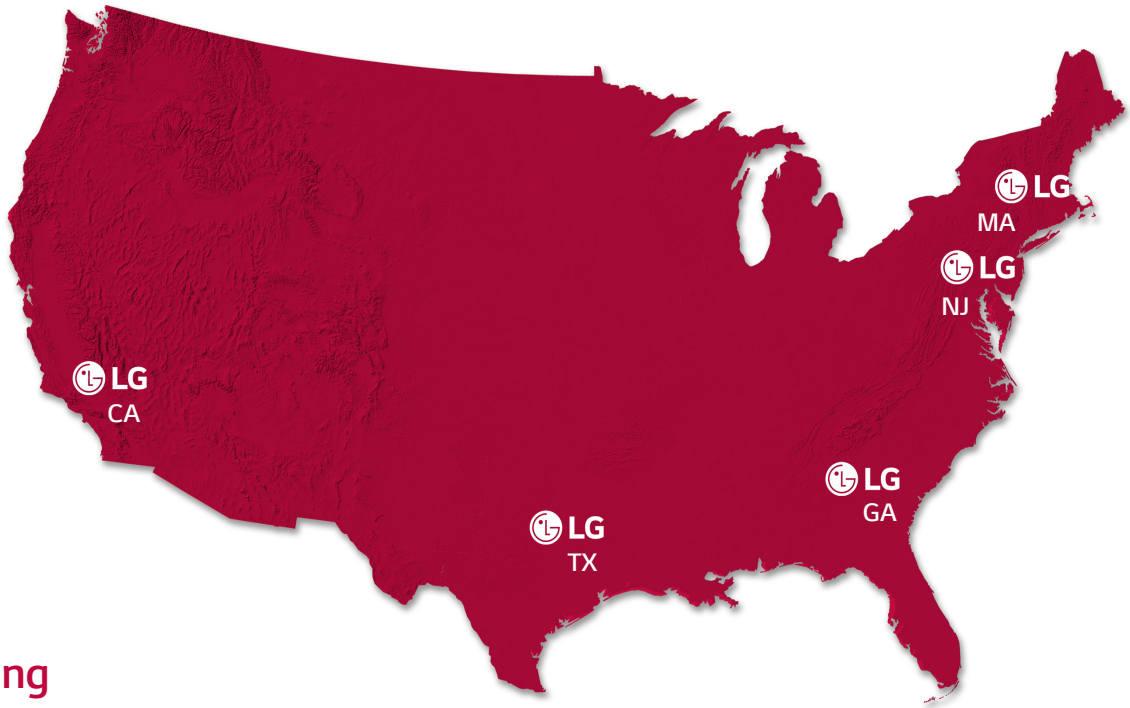
Expansive operating range in cooling and heating without adding accessories:

- LG Multi V™ 5 uses vapor injection technology for improved heating performance in ambient conditions as low as -22˚F.
- Using a variable path heat exchanger, LG Multi V™ 5 performs in low ambient conditions to provide cooling down to 5˚F.

Comfort

- **Quiet Operation**
  Multi V™ indoor units are among the quietest in the industry, with rated sound levels as low as 23dB(A). In addition to temperature, airflow and dehumidification, low sound levels contribute to a relaxing environment.
- **Individualized Zone Control**
  Multi V™ solutions allow the user to control the space to the temperature desired. This further enhances comfort while promoting reduced power consumption.
- **Indoor Air Quality**
  All Multi V™ indoor units incorporate a reusable, washable filter. Since distribution and return ducts are not required for this system, dust accumulation is reduced, contributing to improved indoor air quality.

TRAINING



Training

LG US Air Conditioning Technologies is headquartered near Atlanta in Alpharetta, Georgia, along with a full training academy. Additional training academies are located in California, Texas, New Jersey, and Massachusetts. Since 2008, our academies have trained thousands on the advantages of LG air conditioning products, and even more have been trained through LG's online training modules. World-class trainers with years of experience teach classes in duct-free technology, with topics covering everything from installation to service for the full range of LG air conditioning products. LG also has a number of strategically placed partner academies throughout the United States that offer a number of LG-focused training classes as well.

For HVAC professionals, LG offers online instruction via our Learning Management System and classroom training at our training academies, strategically placed throughout the country. Training is open to all contractors; ask your LG Electronics authorized distributor for details. For more information and to find out how you can be part of the next training class near you, visit https://lghvac.com/training.

Engineering and Service Tools

As part of our commitment to innovation, LG has developed inventive ways to enhance the engineer's and service technician's experience with these tools:

- **LG Monitoring View (LGMV)** Software and Mobile App both connect to LG Multi V™ Solutions to allow technicians to troubleshoot accurately and evaluate equipment performance by interfacing directly with the unit. The software provides an accurate picture of an operating system without the need to check system temperatures manually, access the refrigerant circuit for system pressures, or perform time-consuming resistance and voltage tests. This service tool provides the most effective troubleshooting method for LG Multi V™ equipment.
- **LATS HVAC** is an integrated piping sizing tool for LG Air Conditioning Technologies products, including Multi V™, Multi F, Single Zone, DOAS, and ERV. Also available to assist with pipe diameter selection and advise on the unit selection process are an Autodesk Revit® plug-in (LATS Revit) and Bluebeam Revu® tool sets for LG HVAC products. Using drag and drop functionality, layout your LG products quickly with these tools. In addition, LATS Revit can calculate critical details like output capacity and additional refrigerant and confirm pipe lengths are within allowable tolerances based on inputted data. Reach out to your local LG representative for help with using LATS to save time.

MULTI V™ 5

MULTI V™ S

MULTI V™ WATER 5

TABLE OF CONTENTS

OUTDOOR UNIT
Lineup

	System Type		Frames	2	3	4	5	6	8	10	12
Air Source	Multi V™ 5 LGRED° Powerful Heat Technology RELIABLE TO EXTREME DEGREES	• Heat Pump and Heat Recovery in the same chassis • Available in 208-230V and 460V						● ●	● ●	● ●	● ●
											
											
	Multi V S®	• Heat Pump or Heat Recovery Systems • Single-Phase Power [1]Three-Phase Power		●	●	●	● ●	●[1]	●[1]		
	Multi V S® LGRED° Powerful Heat Technology RELIABLE TO EXTREME DEGREES	• Heat Pump and Heat Recovery Systems • Single-Phase Power			◐	◐					
Water Source	Multi V WATER® 5 208-230V	• Heat Pump and Heat Recovery Systems						◐	◐	◐	◐
											
											
	Multi V WATER® 5 460V	• Heat Pump and Heat Recovery Systems						◐	◐	◐	◐
											
											

● = Heat Pump
● = Heat Recovery
◐ = Heat Pump and Heat Recovery

Unit : Tons

14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	48
● ●	● ●	● ●	● ●												
				● ●	● ●	● ●	● ●	● ●	● ●	● ●					
											● ●	● ●	● ●	● ●	
◐	◐	◐	◐	◐	◐										
								◐			◐				
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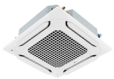
	◐	◐	◐	◐	◐			◐							
											◐			◐	◐

INDOOR UNIT Lineup

Chassis		5	7	9	12	15	18
Art Cool™	Gallery 			●	●		
	Mirror 	●	●	●	●	●	●
Standard	Wall Mounted 	●	●	●	●	●	●
Ceiling Cassette	1-Way 		●	●	●		●
	2-Way 						●
	4-Way (2'x2') 	●	●	●	●	●	●
	4-Way (3'x3') 		●	●	●	●	●
Ceiling Suspended	Ceiling Mounted 						●
Ceiling Concealed Ducted	Low Static 		●	●	●	●	●
	Convertible Mid Static 		●	●	●	●	●
	Mid Static 						
	High Static 		●	●	●	●	●
Multi-Position Air Handler Unit	Vertical / Horizontal 				●		●
Floor Standing	With Case 		●	●	●	●	●
	Without Case 		●	●	●	●	●

LG indoor units offer a wide range of styles and features to fit all of your cooling and heating needs. With cassettes that mount flush to the ceiling, ducted units that are completely concealed in the ceiling, and LG's award-winning Art Cool Gallery and mirror-finished, wall-mounted units that fit into any décor, the Multi V™ solution offers unparalleled aesthetic design and indoor units to fit into multiple applications.

Unit : kBtu/h

24	28	30	36	42	48	54	76	96
●								
●		●	●					
●								
●								
●	●		●	●	●			
●			●		●			
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	●		●	●	●	●		
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AIR SOURCE SOLUTIONS

MULTI V™ 5

MULTI V™ 5

Heat Pump and
Heat Recovery
6 to 42 Tons

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

AHRI Certified - Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

MULTI V™ S

MULTI V S®

Heat Pump and
Heat Recovery
3 to 4 Tons

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

MULTI V S®

Heat Pump or
Heat Recovery
2 to 8 Tons

AHRI Certified - Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

MULTI V™ 5

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

ARUM072BTE5

ARUM***BTE5

Specifications		Unit	ARUM072BTE5	ARUM096BTE5	ARUM121BTE5	ARUM144BTE5
Frames			ARUM072BTE5	ARUM096BTE5	ARUM121BTE5	ARUM144BTE5
Tons			6	8	10	12
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700	144,000
	Heating	Btu/h	81,000	108,000	135,000	162,000
Rated Capacity[1]	Cooling	Btu/h	69,000	92,000	114,000	138,000
	Heating	Btu/h	77,000	103,000	129,000	152,000
Power Voltage		V / Hz / Ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~122	5 ~122	5 ~122	5 ~122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	36-5/8 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32
Weight	Net	lbs	430	507	507	639
	Shipping	lbs	452	534	534	666
Sound Pressure[3]		dB(A)	58.0	58.0	59.0	60.0
Fan (Propeller)		Rated CFM	6,600	7,400	8,400	9,300
		Max. CFM	8,470	11,300	11,300	11,300
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	2
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17	2/17	2/17	3/17
Piping	Liquid Line	in	3/8	3/8	1/2	1/2
	L/P Vapor Line	in	3/4	7/8	1-1/8	1-1/8
	H/P Vapor Line[4]	in	5/8	3/4	3/4	7/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	14.3	23.2	23.2	26.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[5]			13	16	20	24

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ 5

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

ARUM***BTE5

Specifications		Unit	ARUM168BTE5	ARUM192BTE5	ARUM216BTE5	ARUM241BTE5
Frames			ARUM168BTE5	ARUM192BTE5	ARUM216BTE5	ARUM241BTE5
Tons			14	16	18	20
Nominal Capacity	Cooling	Btu/h	168,000	192,000	216,000	233,100
	Heating	Btu/h	189,000	216,000	243,000	243,000
Rated Capacity[1]	Cooling	Btu/h	160,000	184,000	206,000	222,000
	Heating	Btu/h	180,000	206,000	230,000	230,000
Power Voltage		V / Hz / Ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~122	5 ~122	5 ~122	5 ~122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32
Weight	Net	lbs	639	659	666	666
	Shipping	lbs	666	688	694	694
Sound Pressure[3]		dB(A)	61.0	62.0	64.0	65.0
Fan (Propeller)		Rated CFM	10,300	10,300	10,300	10,300
		Max. CFM	11,300	11,300	11,300	11,300
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		2	2	2	2
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		3/17	3/17	3/17	3/17
Piping	Liquid Line	in	5/8	5/8	5/8	5/8
	L/P Vapor Line	in	1-1/8	1-1/8	1-1/8	1-3/8
	H/P Vapor Line[4]	in	7/8	1-1/8	1-1/8	1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	26.5	30.9	37.5	37.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[5]			29	32	35	39

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MULTI V™ 5

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ARUM***BTE5

Specifications		Unit	ARUM264BTE5	ARUM288BTE5	ARUM312BTE5	ARUM336BTE5
Frames			ARUM096BTE5 ARUM168BTE5	ARUM096BTE5 ARUM192BTE5	ARUM096BTE5 ARUM216BTE5	ARUM121BTE5 ARUM216BTE5
Tons			22	24	26	28
Nominal Capacity	Cooling	Btu/h	264,000	288,000	312,000	336,000
	Heating	Btu/h	297,000	324,000	351,000	378,000
Rated Capacity[1]	Cooling	Btu/h	252,000	276,000	298,000	320,000
	Heating	Btu/h	282,000	308,000	332,000	358,000
Power Voltage		V / Hz / Ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~122	5 ~122	5 ~122	5 ~122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32
Weight	Net	lbs	507+639	507+659	507+666	507+666
	Shipping	lbs	534+666	534+688	534+694	534+694
Sound Pressure[3]		dB(A)	63.0	63.0	65.0	65.0
Fan (Propeller)		Rated CFM	17,700	17,700	17,700	18,700
		Max. CFM	22,600	22,600	22,600	22,600
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		3	3	3	3
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17+3/17	2/17+3/17	2/17+3/17	2/17+3/17
Piping	Liquid Line	in	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8	1/2 + 5/8
	L/P Vapor Line	in	7/8 + 1-1/8	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line[4]	in	3/4 + 7/8	3/4 + 1-1/8	3/4 + 1-1/8	3/4 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	23.2+26.5	23.2+30.9	23.2+37.5	23.2+37.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[5]			42	45	52	55

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
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ARUM***BTE5

Specifications		Unit	ARUM360BTE5	ARUM384BTE5	ARUM408BTE5
Frames			ARUM144BTE5 ARUM216BTE5	ARUM168BTE5 ARUM216BTE5	ARUM192BTE5 ARUM216BTE5
Tons			30	32	34
Nominal Capacity	Cooling	Btu/h	360,000	384,000	408,000
	Heating	Btu/h	405,000	432,000	459,000
Rated Capacity[1]	Cooling	Btu/h	344,000	366,000	390,000
	Heating	Btu/h	384,000	410,000	434,000
Power Voltage		V / Hz / Ø	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~122	5 ~122	5 ~122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32
Weight	Net	lbs	639+666	639+666	659+666
	Shipping	lbs	666+694	666+694	688+694
Sound Pressure[3]		dB(A)	66.0	66.0	66.0
Fan (Propeller)		Rated CFM	19,600	20,600	20,600
		Max. CFM	22,600	22,600	22,600
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		4	4	4
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		3/17 x 2	3/17 x 2	3/17 x 2
Piping	Liquid Line	in	1/2 + 5/8	5/8 + 5/8	5/8 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line[4]	in	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	26.5+37.5	26.5+37.5	30.9+37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units[5]			58	61	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
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MULTI V™ 5

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Powerful Heat Technology
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ARUM***BTE5

Specifications		Unit	ARUM432BTE5	ARUM456BTE5	ARUM480BTE5	ARUM504BTE5
Frames			ARUM121BTE5 ARUM121BTE5 ARUM192BTE5	ARUM121BTE5 ARUM121BTE5 ARUM216BTE5	ARUM121BTE5 ARUM144BTE5 ARUM216BTE5	ARUM121BTE5 ARUM168BTE5 ARUM216BTE5
Tons			36	38	40	42
Nominal Capacity	Cooling	Btu/h	430,500	455,700	476,700	504,000
	Heating	Btu/h	486,000	513,000	540,000	567,000
Rated Capacity[1]	Cooling	Btu/h	410,000	434,000	454,000	480,000
	Heating	Btu/h	460,000	484,000	510,000	534,000
Power Voltage		V / Hz / Ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~122	5 ~122	5 ~122	5 ~122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	146-7/16 x 66-17/32 x 29-29/32	146-7/16 x 66-17/32 x 29-29/32	146-7/16 x 66-17/32 x 29-29/32	146-7/16 x 66-17/32 x 29-29/32
Weight	Net	lbs	507+507+659	507+507+666	507+639+666	507+639+666
	Shipping	lbs	507+507+688	534+534+694	534+666+694	534+666+694
Sound Pressure[3]		dB(A)	66.0	66.0	67.0	67.0
Fan (Propeller)		Rated CFM	27,100	27,100	28,000	29,000
		Max. CFM	33,900	33,900	33,900	33,900
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		4	4	5	5
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17 x 2 + 3/17	2/17 x 2 + 3/17	2/17 + 3/17 x 2	2/17 + 3/17 x 2
Piping	Liquid Line	in	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8+ 1-1/8	1-1/8 + 1-1/8+ 1-1/8	1-1/8 + 1-1/8+ 1-1/8	1-1/8 + 1-1/8+ 1-1/8
	H/P Vapor Line[4]	in	3/4 + 3/4 + 1-1/8	3/4 + 3/4 + 1-1/8	3/4 + 7/8 + 1-1/8	3/4 + 7/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	23.2+23.2+30.9	23.2+23.2+37.5	23.2+26.5+37.5	23.2+26.5+37.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[5]			64	64	64	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
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4. Used in Heat Recovery Systems only.
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ARUM072DTE5

ARUM***DTE5

Specifications		Unit	ARUM072DTE5	ARUM096DTE5	ARUM121DTE5	ARUM144DTE5
Frames			ARUM072DTE5	ARUM096DTE5	ARUM121DTE5	ARUM144DTE5
Tons			6	8	10	12
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700	144,000
	Heating	Btu/h	81,000	108,000	135,000	162,000
Rated Capacity[1]	Cooling	Btu/h	69,000	92,000	114,000	138,000
	Heating	Btu/h	77,000	103,000	129,000	152,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~122	5 ~122	5 ~122	5 ~122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	36-5/8 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32
Weight	Net	lbs	430	507	507	639
	Shipping	lbs	452	534	534	666
Sound Pressure[3]		dB(A)	58.0	58.0	59.0	60.0
Fan (Propeller)		Rated CFM	6,600	7,400	8,400	9,300
		Max. CFM	8,470	11,300	11,300	11,300
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	2
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17	2/17	2/17	3/17
Piping	Liquid Line	in	3/8	3/8	1/2	1/2
	L/P Vapor Line	in	3/4	7/8	1-1/8	1-1/8
	H/P Vapor Line[4]	in	5/8	3/4	3/4	7/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	14.3	23.2	23.2	26.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[5]			13	16	20	24

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ARUM***DTE5

Specifications		Unit	ARUM168DTE5	ARUM192DTE5	ARUM216DTE5	ARUM241DTE5
Frames			ARUM168DTE5	ARUM192DTE5	ARUM216DTE5	ARUM241DTE5
Tons			14	16	18	20
Nominal Capacity	Cooling	Btu/h	168,000	192,000	216,000	233,100
	Heating	Btu/h	189,000	216,000	243,000	243,000
Rated Capacity[1]	Cooling	Btu/h	160,000	184,000	206,000	222,000
	Heating	Btu/h	180,000	206,000	230,000	230,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~122	5 ~122	5 ~122	5 ~ 122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32	48-13/16 x 66-17/32 x 29-29/32
Weight	Net	lbs	639	659	666	666
	Shipping	lbs	666	688	694	694
Sound Pressure[3]		dB(A)	61.0	62.0	64.0	65.0
Fan (Propeller)		Rated CFM	10,300	10,300	10,300	10,300
		Max. CFM	11,300	11,300	11,300	11,300
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		2	2	2	2
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		3/17	3/17	3/17	3/17
Piping	Liquid Line	in	5/8	5/8	5/8	5/8
	L/P Vapor Line	in	1-1/8	1-1/8	1-1/8	1-3/8
	H/P Vapor Line[4]	in	7/8	1-1/8	1-1/8	1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	26.5	30.9	37.5	37.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[5]			29	32	35	39

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3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
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MULTI V™ 5

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ARUM***DTE5

Specifications		Unit	ARUM264DTE5	ARUM288DTE5	ARUM312DTE5	ARUM336DTE5
Frames			ARUM096DTE5 ARUM168DTE5	ARUM096DTE5 ARUM192DTE5	ARUM096DTE5 ARUM216DTE5	ARUM121DTE5 ARUM216DTE5
Tons			22	24	26	28
Nominal Capacity	Cooling	Btu/h	264,000	288,000	312,000	336,000
	Heating	Btu/h	297,000	324,000	351,000	378,000
Rated Capacity[1]	Cooling	Btu/h	252,000	276,000	298,000	320,000
	Heating	Btu/h	282,000	308,000	332,000	358,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~122	5 ~ 122	5 ~ 122	5 ~ 122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32
Weight	Net	lbs	507+639	507+659	507+666	507+666
	Shipping	lbs	534+666	534+688	534+694	534+694
Sound Pressure[3]		dB(A)	63.0	63.0	65.0	65.0
Fan (Propeller)		Rated CFM	17,700	17,700	17,700	18,700
		Max. CFM	22,600	22,600	22,600	22,600
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		3	3	3	3
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17+3/17	2/17+3/17	2/17+3/17	2/17+3/17
Piping	Liquid Line	in	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8	1/2 + 5/8
	L/P Vapor Line	in	7/8 + 1-1/8	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line[4]	in	3/4 + 7/8	3/4 + 1-1/8	3/4 + 1-1/8	3/4 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	23.2+26.5	23.2+30.9	23.2+37.5	23.2+37.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[5]			42	45	52	55

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
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ARUM***DTE5

Specifications		Unit	ARUM360DTE5	ARUM384DTE5	ARUM408DTE5
Frames			ARUM144DTE5 ARUM216DTE5	ARUM168DTE5 ARUM216DTE5	ARUM192DTE5 ARUM216DTE5
Tons			30	32	34
Nominal Capacity	Cooling	Btu/h	360,000	384,000	408,000
	Heating	Btu/h	405,000	432,000	459,000
Rated Capacity[1]	Cooling	Btu/h	344,000	366,000	390,000
	Heating	Btu/h	384,000	410,000	434,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~ 122	5 ~ 122	5 ~ 122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32	97-5/8 x 66-17/32 x 29-29/32
Weight	Net	lbs	639+666	639+666	659+666
	Shipping	lbs	666+694	666+694	688+694
Sound Pressure[3]		dB(A)	66.0	66.0	66.0
Fan (Propeller)		Rated CFM	19,600	20,600	20,600
		Max. CFM	22,600	22,600	22,600
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		4	4	4
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		3/17 x 2	3/17 x 2	3/17 x 2
Piping	Liquid Line	in	1/2 + 5/8	5/8 + 5/8	5/8 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line[4]	in	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	26.5+37.5	26.5+37.5	30.9+37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units[5]			58	61	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
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MULTI V™ 5

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ARUM***DTE5

Specifications		Unit	ARUM432DTE5	ARUM456DTE5	ARUM480DTE5	ARUM504DTE5
Frames			ARUM121DTE5 ARUM121DTE5 ARUM192DTE5	ARUM121DTE5 ARUM121DTE5 ARUM216DTE5	ARUM121DTE5 ARUM144DTE5 ARUM216DTE5	ARUM121DTE5 ARUM168DTE5 ARUM216DTE5
Tons			36	38	40	42
Nominal Capacity	Cooling	Btu/h	430,500	455,700	476,700	504,000
	Heating	Btu/h	486,000	513,000	540,000	567,000
Rated Capacity[1]	Cooling	Btu/h	410,000	434,000	454,000	480,000
	Heating	Btu/h	460,000	484,000	510,000	534,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5 ~ 122	5 ~ 122	5 ~ 122	5 ~ 122
	Heating	°F	-22 ~ 61	-22 ~ 61	-22 ~ 61	-22 ~ 61
	Simultaneous Operation[2]	°F	14 ~ 81	14 ~ 81	14 ~ 81	14 ~ 81
Dimensions (W×H×D)	Body	in	146-7/16 x 66-17/32 x 29-29/32	146-7/16 x 66-17/32 x 29-29/32	146-7/16 x 66-17/32 x 29-29/32	146-7/16 x 66-17/32 x 29-29/32
Weight	Net	lbs	507+507+659	507+507+666	507+639+666	507+639+666
	Shipping	lbs	534+534+688	534+534+694	534+666+694	534+666+694
Sound Pressure[3]		dB(A)	66.0	66.0	67.0	67.0
Fan (Propeller)		Rated CFM	27,100	27,100	28,000	29,000
		Max. CFM	33,900	33,900	33,900	33,900
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		4	4	5	5
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17 x 2 + 3/17	2/17 x 2 + 3/17	2/17 + 3/17 x 2	2/17 + 3/17 x 2
Piping	Liquid Line	in	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8+ 1-1/8	1-1/8 + 1-1/8+ 1-1/8	1-1/8 + 1-1/8+ 1-1/8	1-1/8 + 1-1/8+ 1-1/8
	H/P Vapor Line[4]	in	3/4 + 3/4 + 1-1/8	3/4 + 3/4 + 1-1/8	3/4 + 7/8 + 1-1/8	3/4 + 7/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	23.2+23.2+30.9	23.2+23.2+37.5	23.2+26.5+37.5	23.2+26.5+37.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[5]			64	64	64	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
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LIGHT COMMERCIAL AND RESIDENTIAL

LG Multi V S® utilizes single-phase and three-phase power so it can be used residentially as well as in a wide range of commercial applications, offering overall increased flexibility and efficiency for property owners.

MULTI V™ S

MULTI V S® WITH LGRED°

Heat Pump and Heat Recovery
3 to 4 Tons

MULTI V S®

Heat Pump or Heat Recovery
2 to 8 Tons

MULTI V S® WITH LGRED®

MULTI V S™

HEAT PUMP *AND* HEAT RECOVERY

LGRED®
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

Continuous heating down to -13 °F.
100% heating capacity at 5°F.

ENERGY STAR

ARUM036GSS5
ARUM048GSS5

Model	Specifications	Unit	ARUM036GSS5	ARUM048GSS5
	Heat Pump / Heat Recovery		Heat Pump and Heat Recovery	Heat Pump and Heat Recovery
	Tons		3	4
Capacity	Nominal Cooling Capacity[1]	Btu/h	36,000	48,000
	Nominal Heating Capacity[1]	Btu/h	42,000	54,000
	Rated Cooling Capacity[2]	Btu/h	36,000	48,000
	Rated Heating Capacity[2]	Btu/h	42,000	54,000
Power	Voltage	V / Hz / Ø	208-230/60/1	208-230/60/1
	Power/Communication Wiring[5]	No. x AWG	2 x 18	2 x 18
Operating Range	Cooling Operation Range[6]	°F	23 ~ 122	23 ~ 122
	Heating Operation Range	°F	-13 ~ 61	-13 ~ 61
Dimensions	Dimensions (WxHxD)	in	37-13/32 x 54-11/32 x 13	37-3/32 x 54-11/32 x 13
Weight	Net	lbs	263	263
	Shipping	lbs	294	294
Sound Pressure[4]		dB(A)	50/53	52/54
Fan	Cooling/Heating		Axial Flow Fan x2	Axial Flow Fan x2
	Air Flow Rate	CFM	4238	4238
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Oil Type		FVC68D	FVC68D
	Quantity		1	1
Heat Exchange	Coating		Black Coated Fin™ / Hydrophilic / Cooper Tube	Black Coated Fin™ / Hydrophilic / Cooper Tube
	Rows/Fins per inch		3 / 14	3 / 14
Piping for Heat Recovery Operation	Liquid Line (OD)	in	3/8	3/8
	HP/Vapor Line (OD)	in	5/8	5/8
	Liquid Line (OD)	in	3/4	3/4
Piping for Heat Pump Operation[7]	Liquid Line (OD)	in	3/8	3/8
	Liquid Line (OD)	in	5/8	5/8
Refrigerant	Type		R410A	R410A
	Charge	lbs	7.7 lbs.	7.7 lbs.
	Control		EEV	EEV
Number of Indoor Units[3]	Minimum / Maximum		2/6	2/8

1. Nominal capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a Combination Ratio between 95–105%.
   Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).
   Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).
2. Rated capacity is certified under AHRI Standard 210/240. See www.ahrinet.org for information.
3. The System Combination Ratio must be between 50–130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Power wiring is field provided, solid or stranded, and must comply with all local and national codes. Refer to the engineering manual for detailed electrical data.
6. Cooling range with the Low Ambient Baffle Kit (sold separately) is down to -9.9°F.
7. Multi V S® units with LGRED® ship from the factory configured for heat recovery operation. For heat pump operation, the DIP switch settings must be set accordingly. See the product installation manual for details.

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Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V S® HEAT PUMP

MULTI V S™

ARUN024GSS4
ARUN038GSS4
ARUN048GSS4
ARUN060GSS4

Model	Specifications	Unit	ARUN024GSS4	ARUN038GSS4	ARUN048GSS4	ARUN060GSS4
	Heat Pump / Heat Recovery		Heat Pump	Heat Pump	Heat Pump	Heat Pump
	Tons		2	3	4	5
Capacity	Nominal Cooling Capacity[1]	Btu/h	24,000	39,500	50,000	60,000
	Nominal Heating Capacity[1]	Btu/h	27,000	44,000	56,500	64,000
	Rated Cooling Capacity[2]	Btu/h	24,000	38,000	48,000	60,000
	Rated Heating Capacity[2]	Btu/h	27,000	42,000	54,000	64,000
Power	Voltage	V / Hz / Ø	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
	Power/Communication Wiring[5]	No. x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling Operation Range[6]	°F	23 ~ 122	23 ~ 122	23 ~ 122	23 ~ 122
	Heating Operation Range	°F	-4 ~ 61	-4 ~ 61	-4 ~ 61	-13 ~ 61
Dimensions	Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	Net	lbs	159	207	207	260
	Shipping	lbs	176	218	218	291
Sound Pressure[4]		dB(A)	50	50	51	57
Fan	Type		Axial Flow Fan	Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Air Flow Rate	CFM	2,119	3,885	3,885	3,885
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	Scroll Inverter
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1
Heat Exchanger	Coating		Gold Fin / Hydrophilic / Copper Tube	Gold Fin / Hydrophilic / Copper Tube	Gold Fin / Hydrophilic / Copper Tube	Gold Fin / Hydrophilic / Copper Tube
	Rows/Fins per inch		2 / 14	2 / 14	2 / 14	3 / 14
Piping	Liquid Line (OD)	in	3/8	3/8	3/8	3/8
	Vapor Line (OD)	in	5/8	5/8	5/8	3/4
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	4.0	6.6	6.6	7.7
	Control		EEV	EEV	EEV	EEV
Number of Indoor Units[3]	Minimum / Maximum		2 / 4	2 / 6	2 / 8	2 / 12

1. Nominal capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a Combination Ratio between 95–105%.
   Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).
   Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).
2. Rated capacity is certified under AHRI Standard 1230. See www.ahrinet.org for information.
3. The System Combination Ratio must be between 50–130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Power wiring is field provided, solid or stranded, and must comply with all local and national codes. Refer to the engineering manual for detailed electrical data.
6. Cooling range with the Low Ambient Baffle Kit (sold separately) is -9.9°F to +122°F.

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MULTI V S® HEAT RECOVERY

MULTI V™ S

ARUB060GSS4

Model	Specifications	Unit	ARUB060GSS4
	Heat Pump / Heat Recovery		Heat Recovery
	Tons		5
Capacity	Nominal Cooling Capacity[1]	Btu/h	60,000
	Nominal Heating Capacity[1]	Btu/h	60,000
	Rated Cooling Capacity[2]	Btu/h	60,000
	Rated Heating Capacity[2]	Btu/h	60,000
Power	Voltage	V / Hz / Ø	208-230/60/1
	Power/Communication Wiring[5]	No. x AWG	2 x 18
Operating Range	Cooling Operation Range[6]	°F	23 ~ 122
	Heating Operation Range	°F	-13 ~ 61
Dimensions	Dimensions (WxHxD)	in	37-13/32 x 54-11/32 x 13
Weight	Net	lbs	260
	Shipping	lbs	291
Sound Pressure[4]		dB(A)	57
Fan	Type		Axial Flow Fan
	Air Flow Rate	CFM	3,885
Compressor	Type		Scroll Inverter
	Oil Type		PVE/FVC68D
	Quantity		1
Heat Exchange	Coating		Gold Fin / Hydrophilic / Copper Tube
	Rows/Fins per inch		3 / 14
Piping	Liquid Line (OD)	in	3/8
	HP/Vapor Line (OD)	in	5/8
	LP/Vapor Line (OD)	in	3/4
Refrigerant	Type		R410A
	Charge	lbs	7.7
	Control		EEV
Number of Indoor Units[3]	Minimum / Maximum		2/12

1. Nominal capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a Combination Ratio between 95–105%.
   Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).
   Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).
2. Rated capacity is certified under AHRI Standard 1230. See www.ahrinet.org for information.
3. The System Combination Ratio must be between 50–130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Power wiring is field provided, solid or stranded, and must comply with all local and national codes. Refer to the engineering manual for detailed electrical data.
6. Cooling range with the Low Ambient Baffle Kit (sold separately) is down to -9.9°F.

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MULTI V S® HEAT PUMP

THREE-PHASE

MULTI V™ S

ARUN072BSS5
ARUN096BSS5

Model	Specifications	Unit	ARUN072BSS5	ARUN096BSS5
	Heat Pump / Heat Recovery		Heat Pump	Heat Pump
	Tons		6	8
Capacity	Nominal Cooling Capacity[1]	Btu/h	72,000	96,000
	Nominal Heating Capacity[1]	Btu/h	81,000	108,000
	Rated Cooling Capacity[2]	Btu/h	69,000	92,000
	Rated Heating Capacity[2]	Btu/h	77,000	103,000
Power	Voltage	V / Hz / Ø	208-230/60/3	208-230/60/3
	Power/Communication Wiring[5]	No. x AWG	2 x 18	2 x 18
Operating Range	Cooling Operation Range[6]	°F	23 to 122	23 to 122
	Heating Operation Range	°F	-13 to 61	-13 to 61
Dimensions	Dimensions (WxHxD)	in	42-29/32 x 63-3/8 x 17-17/32	42-29/32 x 63-3/8 x 17-17/32
Weight	Net	lbs	348	348
	Shipping	lbs	379	379
Sound Pressure[4]		dB(A)	55 / 57	59 / 60
Fan	Cooling/Heating		Axial Flow Fan	Axial Flow Fan
	Air Flow Rate	CFM	7,416	7,416
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Oil Type		PVE/FW68D	PVE/FW68D
	Quantity		1	1
Heat Exchange	Coating		Black Coated Fin™ / Hydrophilic / Cooper Tube	Black Coated Fin™ / Hydrophilic / Cooper Tube
	Rows/Fins per inch		(3 x 14) x 2	(3 x 14) x 2
Piping	Liquid Line (OD)	in	3/8	3/8
	Vapor Line (OD)	in	3/4	7/8
Refrigerant	Type		R410A	R410A
	Charge	lbs	13.2.	13.2
	Control		EEV	EEV
Number of Indoor Units[3]	Minimum / Maximum		2/13	2/16

1. Nominal capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a Combination Ratio between 95–105%.
   Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).
   Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).
2. Rated capacity is certified under AHRI Standard 1230. See www.ahrinet.org for information.
3. The System Combination Ratio must be between 50–130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Power wiring is field provided, solid or stranded, and must comply with all local and national codes. Refer to the engineering manual for detailed electrical data.
6. Cooling range with the Low Ambient Baffle Kit (sold separately) is -9.9°F to +122°F.

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WATER SOURCE SOLUTIONS

MULTI V WATER 5

MULTI V WATER® 5

Heat Pump & Heat Recovery

6 to 48 Tons

LG Multi V WATER® 5 systems permit synchronous cooling and heating in different zones at the same time. Units are available from 6 Tons to 48 Tons.

AHRI Certified - Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

HEAT PUMP / HEAT RECOVERY

ARWM***BAS5

Specifications		Unit	ARWM072BAS5	ARWM096BAS5	ARWM121BAS5	ARWM144BAS5
Frames			ARWM072BAS5	ARWM096BAS5	ARWM121BAS5	ARWM144BAS5
Tons			6	8	10	12
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700	144,000
	Heating	Btu/h	81,000	108,000	135,000	162,000
Rated Capacity[1]	Cooling	Btu/h	69,000	92,000	114,000	138,000
	Heating	Btu/h	77,000	103,000	129,000	152,000
Power Voltage		V / Hz / Ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Dimensions (W×H×D)	Body	in	30-13/32x44-3/32x21-17/32	30-13/32x44-3/32x21-17/32	30-13/32x44-3/32x21-17/32	30-13/32x44-3/32x21-17/32
Weight	Net	lbs	322	322	322	322
	Shipping	lbs	340	340	340	340
Sound Pressure[2]		dB(A)	48 (62)	50 (62)	56 (62)	56 (62)
Water Temperature Range	Cooling	°F	50 ~ 113	50 ~ 113	50 ~ 113	50 ~ 113
	Heating	°F	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113
	Synchronous	°F	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113
Compressor (Inverter Scroll)	Type		High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	20.3	25.4	30.4	35.5
	Pressure Drop	ft wg	3.47	5.20	7.23	9.63
Piping	Liquid Line	in (OD)	3/8	3/8	1/2	1/2
	High Pressure Vapor Line	in (OD)	3/4	3/4	7/8	7/8
	Low Pressure Vapor Line (Heat Recovery only)	in (OD)	3/4	7/8	1-1/8	1-1/8
	Water Inlet / Outlet	in (ID)	1-1/2	1-1/2	1-1/2	1-1/2
	Condensate Pipe	in (ID)	3/4	3/4	3/4	3/4
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	7.7	7.7	7.7	7.7
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[3]			13	16	20	23

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745. Value is parenthesis is the maximum sound pressure at those conditions.
3. The System Combination Ratio must be between 50 and 130%.

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MULTI V WATER® 5 (208-230V)

HEAT PUMP / HEAT RECOVERY

ARWM***BAS5

Specifications		Unit	ARWM168BAS5	ARWM192BAS5	ARWM216BAS5	ARWM240BAS5	ARWM264BAS5	ARWM288BAS5
Frames			ARWM072BAS5 ARWM096BAS5	ARWM096BAS5 ARWM096BAS5	ARWM096BAS5 ARWM121BAS5	ARWM121BAS5 ARWM121BAS5	ARWM121BAS5 ARWM144BAS5	ARWM144BAS5 ARWM144BAS5
Tons			14	16	18	20	22	24
Nominal Capacity	Cooling	Btu/h	168,000	192,000	216,000	239,400	264,000	287,700
	Heating	Btu/h	189,000	216,000	243,000	269,000	297,000	324,000
Rated Capacity[1]	Cooling	Btu/h	160,000	184,000	206,000	228,000	252,000	274,000
	Heating	Btu/h	180,000	206,000	230,000	256,000	282,000	308,000
Power Voltage		V / Hz / Ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
Dimensions (W×H×D)	Body	in	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32
Weight	Net	lbs	322 x 2	322 x 2	322 x 2	322 x 2	322 x 2	322 x 2
	Shipping	lbs	340 x 2	340 x 2	340 x 2	340 x 2	340 x 2	340 x 2
Sound Pressure[2]		dB(A)	52 (65)	53 (65)	57 (65)	59 (65)	59 (65)	59 (65)
Water Temperature Range	Cooling	°F	50 ~ 113	50 ~ 113	50 ~ 113	50 ~ 113	50 ~ 113	50 ~ 113
	Heating	°F	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113
	Synchronous	°F	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113
Compressor (Inverter Scroll)	Type		High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		2	2	2	2	2	2
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	20.3 + 25.4	25.4 + 25.4	25.4 + 30.4	30.4 + 30.4	30.4 + 35.5	35.5 + 35.5
	Pressure Drop	ft wg	3.47 / 5.20	5.20 / 5.20	5.20 / 7.23	7.23 / 7.23	7.23 / 9.63	9.63 / 9.63
Piping	Liquid Line	in (OD)	3/8 + 3/8	3/8 + 3/8	3/8 + 1/2	1/2 + 1/2	1/2 + 1/2	1/2 + 1/2
	High Pressure Vapor Line	in (OD)	3/4 + 3/4	3/4 + 3/4	3/4 + 7/8	7/8 + 7/8	7/8 + 7/8	7/8 + 7/8
	Low Pressure Vapor Line (Heat Recovery only)	in (OD)	3/4 + 7/8	7/8 + 7/8	7/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8
	Water Inlet / Outlet	in (ID)	1-1/2 + 1-1/2	1-1/2 + 1-1/2	1-1/2 + 1-1/2	1-1/2 + 1-1/2	1-1/2 + 1-1/2	1-1/2 + 1-1/2
	Condensate Pipe	in (ID)	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs	7.7 + 7.7	7.7 + 7.7	7.7 + 7.7	7.7 + 7.7	7.7 + 7.7	7.7 + 7.7
	Control		EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[3]			29	32	35	39	42	45

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745. Value is parenthesis is the maximum sound pressure at those conditions.
3. The System Combination Ratio must be between 50 and 130%.

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MULTI V WATER® 5 HEAT PUMP (208-230V)

HEAT PUMP / HEAT RECOVERY

ARWM***BAS5

Specifications		Unit	ARWM360BAS5	ARWM432BAS5
Frames			ARWM121BAS5 ARWM121BAS5 ARWM121BAS5	ARWM144BAS5 ARWM144BAS5 ARWM144BAS5
Tons			30	36
Nominal Capacity	Cooling	Btu/h	360,000	430,500
	Heating	Btu/h	405,000	486,000
Rated Capacity[1]	Cooling	Btu/h	344,000	410,000
	Heating	Btu/h	384,000	460,000
Power Voltage		V / Hz / Ø	208-230/60/3	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18
Dimensions (W×H×D)	Body	in	99-7/32 x 44-3/32 x 21-17/32	99-7/32 x 44-3/32 x 21-17/32
Weight	Net	lbs	322 x 3	322 x 3
	Shipping	lbs	340 x 3	340 x 3
Sound Pressure[2]		dB(A)	61 (67)	61 (67)
Water Temperature Range	Cooling	˚F	50 ~ 113	50 ~ 113
	Heating	˚F	23 ~ 113	23 ~ 113
	Synchronous	˚F	23 ~ 113	23 ~ 113
Compressor (Inverter Scroll)	Type		High-Side Shell DC Scroll	High-Side Shell DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D
	Quantity		3	3
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	30.4 + 30.4 + 30.4	35.5 + 35.5 + 35.5
	Pressure Drop	ft wg	7.23 + 7.23 + 7.23	9.63 + 9.63 + 9.63
Piping	Liquid Line	in (OD)	1/2 + 1/2 + 1/2	1/2 + 1/2 + 1/2
	High Pressure Vapor Line	in (OD)	7/8 +7/8 +7/8	7/8 +7/8 +7/8
	Low Pressure Vapor Line (Heat Recovery only)	in (OD)	1-1/8 + 1-1/8 + 1-1/8	1-1/8 +1-1/8 + 1-1/8
	Water Inlet / Outlet	in (ID)	1-1/2 + 1-1/2 +1-1/2	1-1/2 + 1-1/2 +1-1/2
	Condensate Pipe	in (ID)	3/4 + 3/4 + 3/4	3/4 + 3/4 + 3/4
Refrigerant	Type		R410A	R410A
	Charge	lbs	7.7 + 7.7 + 7.7	7.7 + 7.7 + 7.7
	Control		EEV	EEV
Maximum Number of Indoor Units[3]			58	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745. Value is parenthesis is the maximum sound pressure at those conditions.
3. The System Combination Ratio must be between 50 and 130%.

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MULTI V WATER® 5 (460V)

HEAT PUMP / HEAT RECOVERY

ARWM***DAS5

Specifications		Unit	ARWM072DAS5	ARWM096DAS5	ARWM121DAS5	ARWM144DAS5	ARWM168DAS5	ARWM192DAS5
Frames			ARWM072DAS5	ARWM096DAS5	ARWM121DAS5	ARWM144DAS5	ARWM168DAS5	ARWM192DAS5
Tons			6	8	10	12	14	16
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700	144,000	168,000	192,000
	Heating	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000
Rated Capacity[1]	Cooling	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000
	Heating	Btu/h	77,000	103,000	129,000	152,000	180,000	206,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
Dimensions (W×H×D)	Body	in	30-13/32x 44-3/32x21-17/32	30-13/32x 44-3/32x21-17/32	30-13/32x 44-3/32x21-17/32	30-13/32x 44-3/32x21-17/32	30-13/32x 44-3/32x21-17/32	30-13/32x 44-3/32x21-17/32
Weight	Net	lbs	322	322	322	322	328	328
	Shipping	lbs	340	340	340	340	370	370
Sound Pressure[2]		dB(A)	48 (62)	50 (62)	56 (62)	56 (62)	58 (62)	60 (62)
Water Temperature Range	Cooling	°F	50 – 113	50 – 113	50 – 113	50 – 113	50 – 113	50 – 113
	Heating	°F	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113
	Synchronous	°F	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113
Compressor (Inverter Scroll)	Type		High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1	1	1
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	20.3	25.4	30.4	35.5	45.7	50.7
	Pressure Drop	ft wg	3.47	5.20	7.23	9.63	8.32	10.08
Piping	Liquid Line	in (OD)	3/8	3/8	1/2	1/2	5/8	5/8
	High Pressure Vapor Line	in (OD)	3/4	3/4	7/8	7/8	7/8	7/8
	Low Pressure Vapor Line (Heat Recovery only)	in (OD)	3/4	7/8	1-1/8	1-1/8	1-1/8	1-1/8
	Water Inlet / Outlet	in (ID)	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	Condensate Pipe	in (ID)	3/4	3/4	3/4	3/4	3/4	3/4
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs	7.7	7.7	7.7	7.7	9.9	9.9
	Control		EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[3]			13	16	20	23	29	32

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745. Value is parenthesis is the maximum sound pressure at those conditions.
3. The System Combination Ratio must be between 50 and 130%.

Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER® 5 (460V)

HEAT PUMP / HEAT RECOVERY

ARWM***DAS5

Specifications		Unit	ARWM191DAS5	ARWM216DAS5	ARWM240DAS5	ARWM264DAS5	ARWM288DAS5	ARWM360DAS5
Frames			ARWM096DAS5 ARWM096DAS5	ARWM096DAS5 ARWM121DAS5	ARWM121DAS5 ARWM121DAS5	ARWM121DAS5 ARWM144DAS5	ARWM144DAS5 ARWM144DAS5	ARWM168DAS5 ARWM192DAS5
Tons			16	18	20	22	24	30
Nominal Capacity	Cooling	Btu/h	192,000	216,000	239,400	264,000	287,700	360,000
	Heating	Btu/h	216,000	243,000	269,000	297,000	324,000	405,000
Rated Capacity[1]	Cooling	Btu/h	184,000	206,000	228,000	252,000	274,000	344,000
	Heating	Btu/h	206,000	230,000	256,000	282,000	308,000	384,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
Dimensions (W×H×D)	Body	in	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32	64-3/16 x 44-3/32 x 21-17/32
Weight	Net	lbs	322 x 2	322 x 2	322 x 2	322 x 2	322 x 2	348 x 2
	Shipping	lbs	340 x 2	340 x 2	340 x 2	340 x 2	340 x 2	370 x 2
Sound Pressure[2]		dB(A)	53 (65)	57 (65)	59 (65)	59 (65)	59 (65)	62 (65)
Water Temperature Range	Cooling	°F	50 – 113	50 – 113	50 – 113	50 – 113	50 – 113	50 – 113
	Heating	°F	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113
	Synchronous		23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113	23 ~ 113
Compressor (Inverter Scroll)	Type		High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		2	2	2	2	2	2
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	25.4 + 25.4	25.4 + 30.4	30.4 + 30.4	30.4 + 35.5	35.5 + 35.5	45.7 + 50.7
	Pressure Drop	ft wg	5.2 + 5.2	5.2 + 7.23	7.23 + 7.23	7.23 + 9.63	9.63 + 9.63	8.32 + 10.08
Piping	Liquid Line	in (OD)	3/8 + 3/8	3/8 + 1/2	1/2 + 1/2	1/2 + 1/2	1/2 + 1/2	5/8 + 5/8
	High Pressure Vapor Line	in (OD)	3/4 + 3/4	3/4 + 3/4	7/8 + 7/8	7/8 + 7/8	7/8 + 7/8	7/8 + 7/8
	Low Pressure Vapor Line (Heat Recovery only)	in (OD)	7/8 + 7/8	7/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8
	Water Inlet / Outlet	in (ID)	1-1/2 +1-1/2	1-1/2 +1-1/2	1-1/2 +1-1/2	1-1/2 +1-1/2	1-1/2 +1-1/2	1-1/2 +1-1/2
	Condensate Pipe	in (ID)	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs	7.7 + 7.7	7.7 + 7.7	7.7 + 7.7	7.7 + 7.7	7.7 + 7.7	9.9 + 9.9
	Control		EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units[3]			32	35	39	42	45	58

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745. Value is parenthesis is the maximum sound pressure at those conditions.
3. The System Combination Ratio must be between 50 and 130%.

Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER® 5 (460V)

HEAT PUMP / HEAT RECOVERY

ARWM***DAS5

Specifications		Unit	ARWM432DAS5	ARWM504DAS5	ARWM576DAS5
Frames			ARWM144BAS5 ARWM144BAS5 ARWM144BAS5	ARWM144DAS5 ARWM168DAS5 ARWM192DAS5	ARWM192DAS5 ARWM192DAS5 ARWM192DAS5
Tons			36	42	48
Nominal Capacity	Cooling	Btu/h	430,500	504,000	571,200
	Heating	Btu/h	486,000	567,000	648,000
Rated Capacity[1]	Cooling	Btu/h	410,000	480,000	545,000
	Heating	Btu/h	460,000	534,000	610,000
Power Voltage		V / Hz / ø	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18
Dimensions (W×H×D)	Body	in	99-7/32x44-3/32x21-17/32	99-7/32x44-3/32x21-17/32	99-7/32x44-3/32x21-17/32
Weight	Net	lbs	322 x 3	322 + 348 x 2	348 x 3
	Shipping	lbs	340 x 3	340+ 370 x 2	370 x 3
Sound Pressure[2]		dB(A)	61 (67)	63 (67)	65 (67)
Water Temperature Range	Cooling	˚F	50 - 113	50 - 113	50 - 113
	Heating	˚F	23 ~ 113	23 ~ 113	23 ~ 113
	Synchronous	˚F	23 ~ 113	23 ~ 113	23 ~ 113
Compressor (Inverter Scroll)	Type		High-Side Shell DC Scroll	High-Side Shell DC Scroll	High-Side Shell DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		3	3	3
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	35.5 + 35.5 + 35.5	35.5 + 45.7 + 50.7	50.7 + 50.7 + 50.7
	Pressure Drop	ft wg	9.63 + 9.63 + 9.63	9.63 + 8.32 + 10.08	10.08 + 10.08 + 10.08
Piping	Liquid Line	in (OD)	1/2 + 1/2 + 1/2	1/2 + 5/8 + 5/8	5/8 + 5/8 + 5/8
	High Pressure Vapor Line	in (OD)	7/8 +7/8 + 7/8	7/8 +7/8 + 7/8	7/8 +7/8 + 7/8
	Low Pressure Vapor Line (Heat Recovery only)	in (OD)	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8
	Water Inlet / Outlet	in (ID)	1-1/2 + 1-1/2 +1-1/2	1-1/2 + 1-1/2 +1-1/2	1-1/2 + 1-1/2 +1-1/2
	Condensate Pipe	in (ID)	3/4 + 3/4 + 3/4	3/4 + 3/4 + 3/4	3/4 + 3/4 + 3/4
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	7.7 + 7.7 + 7.7	7.7 + 9.9 + 9.9	9.9 + 9.9 + 9.9
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units[3]			64	64	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745. Value is parenthesis is the maximum sound pressure at those conditions.
3. The System Combination Ratio must be between 50 and 130%.

Due to our commitment to continued innovation, some specifications may be changed without notification.

AIR TECHNOLOGIES

ERV (ENERGY RECOVERY VENTILATOR)

ARVU*****A2

The LG ERV system allows users to exchange indoor air with outdoor air in order to improve the air quality by reducing the temperature and humidity of incoming fresh air. Easy to maintain while providing superior energy savings and performance, LG ERV is an ideal solution for hotels, dormitories, restaurants, hospitals, retail establishments, theaters, schools and office buildings.

Specifications		Unit	053ZE	063ZE	093ZF	123ZF
Performance	Capacity	CFM	470	590	880	1,180
	Power Input (SH1)	Watts	360	470	720	930
Operation Range		°F DB	14 ~113	14 ~113	14 ~113	14 ~113
Heat Exchanger Data	Air-to-Air Heat Exchanger		Cross-Flow Fixed Core	Cross-Flow Fixed Core	Cross-Flow Fixed Core	Cross-Flow Fixed Core
	Quantity		1	1	1	1
Temperature Exchanger Efficiency	Cooling (Fan Speed SH)	%	62	59	62	59
	Entering Water Temp Range	°F	41~113			53-167
Enthalpy Exchange Efficiency	Cooling (Fan Speed SH)	%	37	34	37	34
	Heating (Fan Speed SH)	%	52	49	52	49
Unit Data	Sound Pressure	dB(A)	40/37/31	41/39/33	44/41/35	45/41/35
	Net Unit Weight	lbs	148	148	331	331
	Shipping Weight	lbs	177	177	397	397
	Dimensions (W×H×D)	in	44-7/8 x 41-13/16 x 14-3/8	44-7/8 x 41-13/16 x 14-3/8	44-7/8 x 41-13/16 x 29-1/16	44-7/8 x 41-13/16 x 29-1/16
Electrical Data	Rated Amps	A	2.8	3.44	5.62	6.82
	Power Supply	V / Hz / Ø	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
	Power Input (Cooling)	Watts	360/270/165	470/385/210	720/540/340	930/770/420
	Power Input (Heating)	Watts	360/270/165	470/385/210	720/540/340	930/770/420
Fan	Type		Cross Flow	Cross Flow	Cross Flow	Cross Flow
	Quantity		2	2	2	2
	Motor/Drive		BLDC	BLDC	BLDC	BLDC
	Airflow Rate (SH/H/L)	CFM	471/471/388	589/589/471	883/883/706	1177/1177/942
	External Static Pressure (SH/H/L)	in wg	0.80/0.44/0.24	0.64/0.36/0.20	0.80/0.44/0.24	0.64/0.36/0.20
Filters	Quantity		2	2	4	4
	Size	in	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"

Accessories

Description	Model
PI-485	PFNFP14A0

1. SH - Super-high condensate drain not required. ERV temperature and enthalpy exchange efficiencies are in accordance with AHRI 1060 test conditions, 100% airflow, and 0" external static pressure.
Cooling: Outdoor 95°F DB, 78°F WB; Exhaust 75°F DB, 63°F WB
Heating: Outdoor 35°F DB, 33°F WB; Exhaust 70°F DB, 58°F WB
Due to our commitment to continued innovation, some specifications may be changed without notification.

AHRI Certified - Air-to-Air ERV
AHRI Standard 1060
Energy Recovery COMPONENT is certified. Actual performance is in packaged equinment may vary.

OAU (OUTSIDE AIR UNIT)

ARNU483B8Z4
ARNU763B8Z4
ARNU963B8Z4

Specifications		Unit	ARNU483B8Z4	ARNU763B8Z4	ARNU963B8Z4
Cooling Mode Performance	Capacity	Btu/h	48,100	76,400	95,900
	Power Input[1]	W	180	230	360
Heating Mode Performance	Capacity	Btu/h	46,115	73,080	91,360
	Power Input[1]	W	180	230	360
Entering Air	Cooling Max	°F WB	90	90	90
	Heating Min	°F DB	23	23	23
Unit Data	Refrigerant Type[2]		R410A	R410A	R410A
	Refrigerant Control		EEV	EEV	EEV
	Sound Power[3]	dB(A)	54	56	57
	Dimensions (W×H×D)	in	61-1/2 x 18-1/8 x 27-1/8	61-1/2 x 18-1/8 x 27-1/8	61-1/2 x 18-1/8 x 27-1/8
	Net Unit Weight	lbs	161	161	161
	Shipping Weight	lbs	191	191	191
	Communication Cable[4]	No. x AWG	2 x 18	2 x 18	2 x 18
Fan	Type		Sirocco	Sirocco	Sirocco
	Motor		1	1	1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow Rate (H/M/L)	CFM	708/477/477	837 / 446 / 446	1,261 / 837 / 837
	External Static Pressure	in wg	0.7	0.87	0.87
Piping (Main Coil)	Liquid Line (OD)	in	3/8 Flare	3/8 Flare	3/8 Flare
	Vapor Line (OD)	in	5/8 Brazed	3/4 Brazed	7/8 Brazed
Condensate	Condensate Line (OD)	in	1	1	1
Electrical Data	MCA	A	2.7	2.7	2.7
	MOP	A	15	15	15
	Power Supply	V / Hz / Ø	208-230/60/1	208-230/60/1	208-230/60/1

Accessories

Description	Model
High-Capacity Filter Box for B8 HSD Chassis	ZFBXB801A

1. The power input is rated at high speed.
2. Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. All communication cables to be minimum 18 AWG, four-conductor, stranded, and shielded, and must comply with applicable local and national codes.

Due to our commitment to continued innovation, some specifications may be changed without notification.

AIR HANDLING UNIT (AHU) CONVERSION KIT

Solution to extend LG VRF technology to third-party Air Handling Units.

Communication Kit

PAHCMR000 PAHCMS000

162279 CSA US

Specifications

Type	Model Name	Combination				Description	Dimensions (in)			
		Outdoor unit	EEV Kit	Expan-sion Kit	Central controller		W	H	D	Weight
Communication Kit	PAHCMR000	MULTI V™, Single Split	●	●	●	Return/room air by remote controller or dry contact control	11-13/16	11-13/16	6-1/8	13.7 lb
	PAHCMS000	MULTI V™, Single Split	●	●	●	Discharge air or supply air (capacity) control by DDC	14-3/4	11-13/16	6-1/8	16.4 lb

NOTE: Available functions/features may differ based on the connected system. Due to our commitment to continued innovation, some specifications may be changed without notification.

Function list for Communication Kit

	List	Description	Specification			
			PAHCMR000	PAHCMS000		
			Min	Type	Min	Max
Controlling	Outdoor Unit Operation	On/Off	By wired controller*	Digital input** (Non-voltage)	-	-
	Mode	Cooling/Heating only		Digital input (Non-voltage)	-	-
	Fan Step	High/mid/low (three steps)	Applied	Digital input (Non-voltage)	Not Applied	
	Room Temperature Control	Cooling 64 ~ 86°F, Heating 60 ~ 86°F	By wired controller*	Analog input	0 V	10 V
	Supply Air Temperature (by outdoor capacity control)	Compressor Off, Compressor Off & Fan Off, 40 ~ 100% capacity control	-	Analog input	0 V	10 V
Monitoring	Outdoor Unit Operation	On/Off	-	Digital input** (Non-voltage)	Max : AC 250 V, DC 30 V, 1A	
	AHU Communication Kit Operation	On/Off	-	Digital input (Non-voltage)	Max : AC 250 V, DC 30 V, 1A	
	Outdoor Mode	Fan/defrost/cooling/heating	-	Digital input (Non-voltage)	Max : AC 250 V, DC 30 V, 1A	
	Fan Mode	High/mid/low (three steps)		Digital input (Non-voltage)	Max : AC 250 V, DC 30 V, 1A	
	Error Status	No error/error occurred		Digital input (Non-voltage)	Max : AC 250 V, DC 30 V, 1A	

* Optional accessory, recommended model : PREMTB10U
** Binary input and output (Open and short), DO is normal open

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EEV Kit

PRLK048A0
PRLK096A0
PRLK396A0
PRLK594A0

162279 US

Specifications

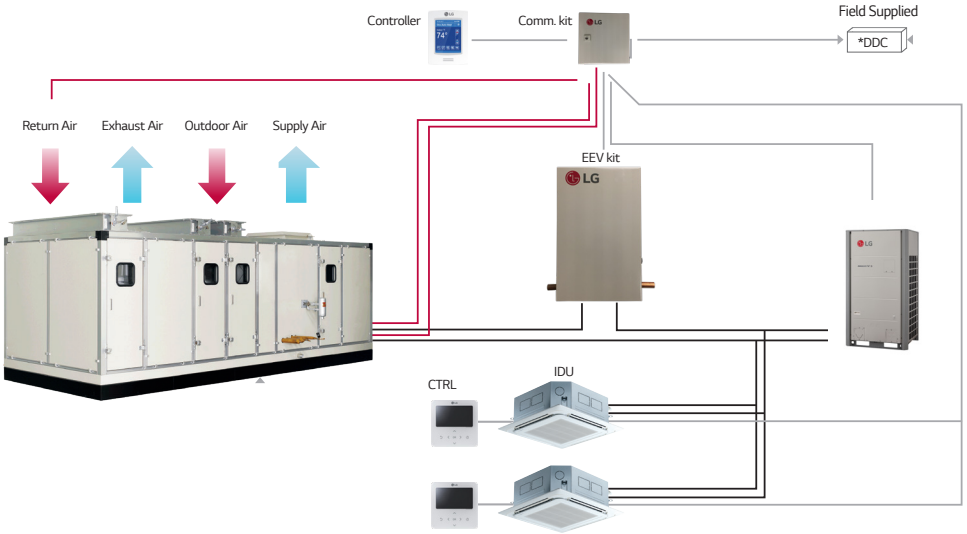
Type	Model Name	Capacity Range	Dimensions (in)		
			W	H	D
EEV Kit	PRLK048A0	8 Tons maximum	8-5/8	15-15/16	3-5/16
	PRLK096A0	16 Tons maximum	8-5/8	15-15/16	3-5/16
	PRLK396A0	32 Tons maximum	8-1/2	13-1/2	7-1/8
	PRLK594A0*	48 Tons maximum	11	13-1/2	7-1/8

Can be used in combination with or without indoor units. Several EEV kits can be connected to a single outdoor unit.
* In order for the PRLK594A0 to work with the PAHCMS000 the EV Control Module is required - PAEEVA020. This module will come in the box with the PRLK594A0.

System Architecture

MULTI V™ Application (in Combination with third-party AHU)

Refrigerant Piping
Communication Wire
Sensor Signal
*DDC : Digital Direct Controller



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ROOFTOP DOAS

Tested to UL1995

AR-DC**-**A
AR-DE**-**A
AR-DR**-**A

The LG Rooftop DOAS product line ranges from 3 to 70 Tons in cooling capacity and up to 18,000 CFM of airflow capacity. Rooftop DOAS units are highly configurable to meet any local design requirement such as heating options including indirect gas furnace with modulating gas controls, SCR controlled electric, or hot water coil options. Available with inverter scroll or digital scroll compressors, split systems, bottom or side discharge.

Cabinet Chassis Size		02	12[3]	22[3]	32	35
Model Numbers[1,2]		AR-DR02-03A AR-DR02-04A AR-DR02-05A AR-DR02-06A AR-DR02-07A	AR-DC12-05A AR-DC12-07A AR-DC12-10A AR-DC12-12A AR-DC12-15A AR-DE12-05A AR-DE12-07A AR-DE12-10A AR-DE12-12A AR-DE12-15A AR-DR12-05A AR-DR12-07A AR-DR12-10A AR-DR12-12A AR-DR12-15A	AR-DC22-15A AR-DC22-17A AR-DC22-20A AR-DC22-25A AR-DC22-30A AR-DE22-15A AR-DE22-17A AR-DE22-20A AR-DE22-25A AR-DE22-30A AR-DR22-15A AR-DR22-17A AR-DR22-20A AR-DR22-25A AR-DR22-30A	AR-DC22-15A AR-DC22-17A AR-DC22-20A AR-DC22-25A AR-DC22-30A AR-DE32-25A AR-DE32-30A AR-DE32-40A AR-DE32-50A AR-DR32-25A AR-DR32-30A AR-DR32-40A AR-DR32-50A	AR-DC35-30A AR-DC35-40A AR-DC35-50A AR-DC35-60A AR-DC35-70A AR-DE35-30A AR-DE35-40A AR-DE35-50A AR-DE35-60A AR-DE35-70A AR-DR35-30A AR-DR35-40A AR-DR35-50A AR-DR35-60A AR-DR35-70A
Nominal Tons		3, 4, 5, 6, 7	5, 7.5, 10, 12.5, 15	15, 17.5, 20, 25, 30	25, 30, 40, 50	30, 40, 50, 60, 70
Airflow	Minimum (CFM)	500	800	2,250	3,750	3,900
	Maximum (CFM)	2,500	5,750	9,550	16,000	18,000
Cooling Components	Inverter Scroll	Standard	Standard	Standard	Standard	Standard
	Digital Scroll	Not Available	Not Available	Not Available	Not Available	Not Available
	Modulating Hot Gas Reheat	Optional	Optional	Optional	Optional	Optional
Indirect Gas Furnace	Minimum (MBH)	75	100	300	600	600
	Maximum (MBH)	200	300	500	1,200	1,200
	Turndown	up to 16:1	up to 16:1	up to 16:1	up to 16:1	up to 10:1
Electric Heat	Minimum (KW)	4	15	35	35	50
	Maximum (KW)	60	60	120	230	200
	SCR Modulation	Standard	Standard	Standard	Standard	Standard
Hot Water Heat		Not Available	Optional	Optional	Optional	Optional

Accessories

LG Rooftop DOAS units are highly customizable with many accessories available to meet your application needs. To design an LG Rooftop DOAS unit and determine which accessory models are appropriate, use the LG CAPS (Computer-Aided Product Selection) software available through myLGHVAC.com.

1. AR-DR unit types include cooling and heating. AR-DE unit types include cooling, heating, and an ERV wheel.
2. Voltages are selectable between 208, 230, or 460 volts (all 3ø).
3. Air-Source Heat Pump option is available for the 12 and 22 DOAS cabinet chassis size, up to 30 Tons, with inverter compressors as standard.

SPLIT COMPACT DOAS

ARND093DCR4

LG Split Compact Dedicated Outdoor Air System (DOAS) units provide 100% outdoor air in heating, cooling, and dehumidification modes. Working with LG VRF systems, the LG Split Compact DOAS unit optimizes energy savings and performance.

Specifications		Unit	ARND093DCR4	ARND153DCR4	ARND203DCR4[4]
Cooling Mode Performance	Capacity	Btu/h	70,000	120,000	143,100
Moisture Removal	Capacity	lb/h	33.0	55.0	67
Heating Mode Performance	Capacity	Btu/h	40,000	51,000	59,900
Entering Air	Cooling Max	°F DB/WB	122/78	122 / 78	122 / 78
	Heating Min	°F DB	14	(10)14[4]	14
Unit Data	Refrigerant Type[1]		R410A	R410A	R410A
	Refrigerant Control		EEV	EEV	EEV
	Sound Power[2]	dB(A)	60	75	72
	Dimensions (W×H×D)	in	75 x 21-11/16 x 45	75 x 21-11/16 x 45	75 x 21-11/16 x 45
	Net Unit Weight	lbs	342	397	397
	Shipping Weight	lbs	381	437	437
	Communication Cable[3]	No. x AWG	4 x 18	4 x 18	4 x 18
Fan	Type		Sirrocco	3D Plug	3D Plug
	Motor	(HP/W)	0.33 / 250	1 / 750	1 / 750
	Motor/Drive		ECM / Direct	ECM / Direct	ECM / Direct
	Airflow Rate[5]	CFM	500 - 900	1,000 - 1,500	1,000 - 2,000
	External Static Pressure	in wg	1.0	2.0	1.5
Piping	Liquid Line (OD)	in	3/8 Brazed	1/2 Brazed	1/2 Brazed
	High Pressure Vapor (OD)	in	5/8 Brazed	7/8 Brazed	3/4 Brazed
	Low Pressure Vapor (OD)	in	3/4 Brazed	1-1/8 Brazed	1-1/8 Brazed
Condensate	Condensate Line (OD)	in	1	1	1
Electrical Data	MCA	A	2.5	7.5	7.3
	MOP	A	15	15	15
	Power Supply	V / Hz / Ø	208-230/60/1	208-230/60/1	208-230/60/1
Filter	Outdoor		2" Merv 8 (25"x20")	2" Merv 8 (25" x 20")	2" Merv 8 (25" x 20")

Accessories

LG DOAS units are highly customizable with many accessories available to meet your application needs. To design an LG DOAS unit and determine which accessory models are appropriate, use the LG CAPS (Computer-Aided Product Selection) software available through myLGHVAC.com.

1. Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.
2. Sound power levels are tested under AHRI 260 Standard.
3. All communication cable to be minimum 18 AWG, 4-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the outdoor unit only. Do not ground the communication cable from the outdoor unit to the DOAS unit at any other point.
4. A maximum of (2) DOAS units connected to (1) ODU. A minimum 12 Ton ODU for (1) DOAS unit connection and minimum 30 Ton ODU for (2) DOAS unit connection.
5. Both ARND153DCR4 and ARND203DCR4 can be utilized for applications requiring CFM as low as 900CFM. A minimum 6-Ton unit or 8-Ton LG MV 5 HR unit is required based on the application

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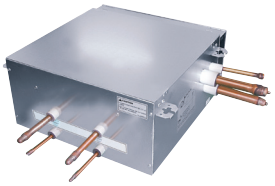
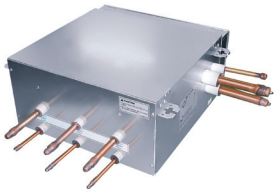
HEAT RECOVERY UNIT

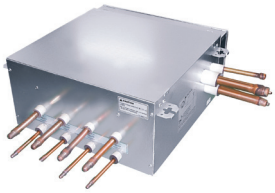
PRHR023A
PRHR033A
PRHR043A
PRHR063A
PRHR083A



PRHR023A
(2-branch Unit)



PRHR033A
(3-branch Unit)



PRHR043A
(4-branch Unit)

PRHR063A
(6-branch Unit)

PRHR083A
(8-branch Unit)

162279 US

Features

- Max. 64 indoor units can be connected (Max. eight indoor units per branch)
- Easy installation with auto pipe detect
- Delivers maximum efficiency using the subcooling cycle within the HR Unit

Models Applied

- MULTI V™ 5 Heat Recovery
- MULTI V WATER® 5 Heat Recovery
- Multi V S® Heat Recovery

Specifications

Specification		Unit	PRHR023A	PRHR033A	PRHR043A	PRHR063A	PRHR083A
Number of Indoor Unit Ports[2]			2	3	4	6	8
Power Input (Cooling / Heating)		Watts	39.8 / 37.2	39.8 / 37.2	39.8 / 37.2	75.9 / 72.1	75.9 / 72.1
Max Port Capacity	Each Port	Btu/h	60,000	60,000	60,000	60,000	60,000
	Sum of Ports	Btu/h	120,000	180,000	230,000	230,000	230,000
Electrical	Power Supply	V/Hz/Ø	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
	Rated Amps	A	0.06	0.06	0.06	0.09	0.09
Piping	Port Liquid Line	in	3/8	3/8	3/8	3/8	3/8
	Port Vapor Line	in	5/8	5/8	5/8	5/8	5/8
	System Liquid Line	in	3/8	1/2	5/8	5/8	5/8
	System Vapor Line High	in	3/4	7/8	7/8	7/8	7/8
	System Vapor Line Low	in	7/8	1 1/8	1 1/8	1 1/8	1 1/8
Sound Pressure Data	Cooling Mode	dB(A)	31	31	31	31	31
	Heating Mode	dB(A)	31	31	31	31	31
	Simultaneous	dB(A)	38	38	38	38	38
Weight	Net Unit Weight	lbs	33	37	40	60	68
	Shipping Weight	lbs	46	50	53	75	82
Dimensions	W × D × H	in	30-15/16 x 25-7/8 x 8-9/16	30-15/16 x 25-7/8 x 8-9/16	30-15/16 x 25-7/8 x 8-9/16	43-13/16 x 25-7/8 x 8-9/16	43-13/16 x 25-7/8 x 8-9/16

1. All refrigerant pipes require insulation.
2. Each port can allow up to eight indoor units with a maximum capacity of 60k Btu/h per port.
3. All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national code.
4. Kit components must be kept dry and free of debris before installation.
5. Must follow installation instructions in the applicable LG installation manual.
6. Power wiring cable size must comply with the applicable local and national code.
7. This unit comes with a dry nitrogen charge.

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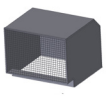
Due to our commitment to continued innovation, some specifications may be changed without notification.

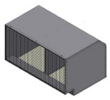
ACCESSORIES

Outdoor Accessories

Air Guide

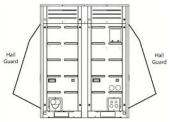


Air Guide



ZAGDKA52A

Hail Guard



ZHGDKA51A
ZHGDKA52A

Low Ambient Baffle Kit

ZLABKA51A
ZLABKA52A

Wind Baffle

ZLABGP04A
(for use with Multi V S®)

Low Ambient Kit

PRVC2

Cool/Heat Selector

PRDSBM

Variable Water Flow Control Kit

PWFCKN000

Type	Model	Description	Used with
Air Guide	ZAGDKA51A	Air Guide	Multi V™ 5 (6 Ton Chassis)
	ZAGDKA52A	Air Guide	Multi V™ 5 (8 to 20 Ton Chassis)
Hail Guard	ZHGDKA51A	Hail Guards Kit	Multi V™ 5 (6 Ton Chassis)
	ZHGDKA52A	Hail Guards Kit	Multi V™ 5 (8 to 20 Ton Chassis)
Low Ambient Baffle Kit	ZLABKA51A	Low Ambient Baffle Kit (requires PRVC2)	Multi V™ 5 (6 Ton Chassis)
	ZLABKA52A	Low Ambient Baffle Kit (requires PRVC2)	Multi V™ 5 (8 to 20 Ton Chassis)
Wind Baffle	ZLABGP04A	Low Ambient Baffle Kit (two required per unit)	Multi V S®
Variable Water Flow Control Kit	PWFCKN000	Variable Water Flow Control Kit for Multi V WATER® 5	Multi V WATER® 5
Low Ambient Control Kit	PRVC2	Low Ambient Control Kit (supports cooling down to -9°F)	Multi V™ 5
Cool/Heat Selector	PRDSBM	Cool/Heat Mode selector for Multi V™ solutions	Multi V™ 5, Multi V S®, Multi V WATER® 5

Type	Model	Description	Used with
Drain Pan Heater	PQSH1200	Drain Pan Heater	ARUN024GSS4 & ARUN060GSS4
	ZPLT1A51A	Drain Pan Heater (208/230V)	Multi V™ 5 (6 Ton Chassis)
	ZPLT1A52A	Drain Pan Heater (208/230V)	Multi V™ 5 (8 to 20 Ton Chassis)
	ZPLT2A51A	Drain Pan Heater (460V)	Multi V™ 5 (6 Ton Chassis)
	ZPLT2A52A	Drain Pan Heater (460V)	Multi V™ 5 (8 to 20 Ton Chassis)

UNIT NOMENCLATURE

Outdoor Units and Heat Recovery Units

Outdoor Units (ODU)

ARU	M	072	B	T	E	5
Family	Type	Capacity	Electrical Ratings	Airflow Configuration	Efficiency	Generation

Family

ARU	Multi V™ Outdoor Unit (Refrigerant R410A)

Type

M	Combination (Heat Pump or Heat Recovery)
N	Heat Pump
B	Heat Recovery

Capacity (cooling capacity in kBtu/h)

024	24	**121**	121	**264**	264	**408**	408
038	38	**144**	144	**288**	288	**432**	432
048	48	**168**	168	**312**	312	**456**	456
060	60	**192**	192	**336**	336	**480**	480
072	72	**216**	216	**360**	360	**504**	504
096	96	**241**	240	**384**	384		

Electrical Ratings

B	208–230V/60Hz/3Ph
D	460V/60Hz/3Ph

Airflow Configuration

T	Top Discharge

Efficiency

E	High Efficiency

Generation

5	Fifth

Heat Recovery Units (HRU)

PRHR	02	3A
Family	Number of Ports	Series Number

Family

PRHR	Multi V™ Heat Recovery (HR) unit (Refrigerant R410A)

Number of Ports

02	Two Ports	**06**	Six Ports
03	Three Ports	**08**	Eight Ports
04	Four Ports		

Series Number

3A	Series Number

Multi V WATER® 5

ARW	M	072	B	A	S	5
Family	Type	Capacity	Electrical Ratings	Airflow Configuration	Efficiency	Generation

Family	**ARW**	Multi V WATER® 5 Water Source Unit (Refrigerant R410A)							
Type	**M**	Inverter Heat Pump and Heat Recovery							
Capacity (cooling capacity in kBtu/h)	**072**	72	**191**	192	**288**	288	**576**	576
	096	96	**192**	192	**360**	360		
	121	120	**216**	216	**432**	432		
	144	144	**240**	240	**480**	480		
	168	168	**264**	264	**504**	504		
Electrical Ratings	**B**	208–230V/60Hz/3Ph							
	D	460V/60Hz/3Ph							
Airflow Configuration	**A**	Not Applicable							
Efficiency	**S**	Standard							
Generation	**5**	Fifth							

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